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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/019,571	12/31/2001	Etsuro Ogata	04853.0086	7887
22852	7590 04/26/2006		EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			LI, RUIXIANG	
			ART UNIT	PAPER NUMBER
			1646	
	DA		DATE MAILED: 04/26/2006	6

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/019,571	OGATA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Ruixiang Li	1646				
The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address				
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be time ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. sely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 28 Fe	ebruary 2006.					
2a) ☐ This action is FINAL . 2b) ☑ This	This action is FINAL . 2b) This action is non-final.					
3) Since this application is in condition for allowan	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	i3 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1,3-10,12-14,18,23,24 and 26-30</u> is/are pending in the application.						
4a) Of the above claim(s) <u>4-8,12,13,18,23 and 24</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1,3,9,10,14 and 26-30</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examiner	ſ.					
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the E	Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	∋ 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau	• • • • • • • • • • • • • • • • • • • •	_				
* See the attached detailed Office action for a list of the certified copies not received.						
Addr all manufact						
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO 413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 04/04/2006.	5) Notice of Informal P 6) Other:	atent Application (PTO-152)				

DETAILED ACTION

Status of Application, Amendments, and/or Claims

Applicants' amendment filed on 02/28/2006 has been entered. Claims 3, 9, and 27 have

been amended. Claims 1, 3, 9, 10, 14, and 26-30 are currently under consideration.

The text of those sections of Title 35, U.S. Code not included in this action can be found

in a prior Office Action.

Withdrawn Objections and/or Rejections

The rejection of claims 1, 3, 9, 10, and 14 under 35 U.S.C. 102(b) as being anticipated

by Grunfeld et al. (WO 96/39184, December 12, 1996) has been withdrawn in view of

Applicants' argument.

The objection of claim 9 has been withdrawn in view of amended claim.

Information Disclosure Statement

The information disclosure statement filed on 04/04/2006 has been considered by the

Examiner and a signed copy of the substitute form PTO-1449 is attached to the office

action.

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Claim Rejections Under 35 USC § 102

The rejection of claims 26-30 under 35 U.S.C. 102(b) as being anticipated by Grunfeld

et al. (WO 96/39184, December 12, 1996) is maintained.

Beginning at page 8 of Applicants' response filed on 02/28/2006, Applicants argue that

Grunfeld et al. do not disclose or teach a human antibody and do not claim a human

antibody.

Applicants' argument has been fully considered, but is not deemed to be persuasive

because Grunfeld et al. clearly disclose a human antibody. For example, at page 5,

lines 29-37, Grunfeld et al. states "the polyclonal or monoclonal antibodies may be

raised in rabbits, mice, or other animals or tissue cultured cells or can be products of

cells of human origin. They may also be produced of recombinant DNA technology

either in a form identical to that of the native antibody or as chimeric molecules,

constructed by recombination of antibody molecules of man and animal origins or in

other forms chosen to make the antibodies most suitable for use in therapy".

Moreover, Grunfeld et al. teach the therapeutic use of a human antibody (from the

bottom of page 1 to top of page 2). For example, beginning at page 1, line 35, Grunfeld

et al. state: "Murine and human monoclonal antibodies directed against the core

lipopolysaccharide of the endotoxin have been reported to exert protection during

Gram-negative bacterial sepsis in animals". Beginning at page 2, line 12, Grunfeld et al.

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state: "In addition, human monoclonal antibodies to *p. aeruzinosa exotoxin A* and exoenzyme S have been described as useful for this purpose".

Furthermore, there is no requirement for a prior art to claim the subject matter under the patent law.

Accordingly, the teachings of Grunfeld et al. anticipate claims 26-30.

Claim Rejections under 35 U.S.C. §103 (a)

- (i). The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- (ii). Claims 1, 3, 9, 10, and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grunfeld et al. (WO 96/39184, December 12, 1996) in view of Sato et al. (US2002/0165363 A1, Publication Date: November 7, 2002; earliest priority date: May 15, 1997).

Grunfeld et al. teach treatment of systematic inflammatory response syndrome, including septicemia (1st paragraph of page 1; line 2 of page 3), with an anti-PTHrP antibody (Abstract; lines 5-26 of page 1). The septicemia, which is listed in canceled

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claim 11 as one of the diseases mediated by PTHrP-cytokine (IL-6), necessarily reduces quality of life (QOL) of patients.

Grunfeld et al. fail to explicitly teach treating septicemia with a humanized antibody.

Sato et al. teach a therapeutic agent for cachexia, an anti-PTHrP antibody, including a humanized #23-57-137-1 antibody (see, e.g., claims 5-6; [0013]; and Example 4), which inhibits the binding of PTHrP to its receptor (see, e.g., [0010]). Treatment of cachexia with the humanized #23-57-137-1 anti-PTHrP antibody increased survival rate (Fig. 1) and reduced the loss of body weight in mice with cachexia (Fig. 3). The humanized #23-57-137-1 antibody, which is the same antibody disclosed in the instant application (see page 38 of the instant specification), inhibits the binding of PTHrP to PTHrP type 1 receptor.

Therefore, It would have been obvious to one having ordinary skill in the art at the time the invention was made to treat septicemia by administering to a human patient a humanized #23-57-137-1 antibody with a reasonable expectation of success. One would have been motivated to do so because the antigenicity of the humanized antibody against a human body is reduced as taught by Sato et al. ([0045] and [0051]).

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Claim Objections

The objection to claims 9, 10, 28, and 29 are maintained because they recite non-

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elected subject matter (species). Since independent claims 1 and 26 are drawn to a

method of treatment of septicemia with a PTHrP antibody, PTH-cytokine cascade does

not appear to be related to septicemia. Thus, only PTHrP-cytokine cascade should be

recited in claims 9 and 28. In addition, it is suggested that only the cytokines that are

involved in septicemia be listed in claims 9, 10, 28, and 29. Appropriate correction is

required.

Conclusion

No claims are allowed.

Advisory Information

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ruixiang Li whose telephone number is (571) 272-0875.

The examiner can normally be reached on Monday through Friday from 8:30 am to 5:00

pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Brenda Brumback, can be reached on (571) 272-0961. The fax number for

the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

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applications may be obtained from either Private PAIR or Public PAIR. Status

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information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, please contact the Electronic

Business Center (EBC) at the toll-free phone number 866-217-9197.

Ruiciang L Ruixiang Li, Ph.D.

Primary Examiner

RUIXIANG LI, PH.D. PRIMARY EXAMINER

April 22, 2006